

RLS-10-50-275

FLA Field Lightning Arrestor

The Novaris RLS has been designed to protect the secondary side of the transformer in an airfield runway lighting circuit. It is housed in a weather proof IP67 enclosure and features FAA standard plugs on each end to allow for easy installation and replacement.

Versatility

The RLS can be inserted into the secondary side of any runway lighting transformer that uses a nominal 230 volt secondary circuit.

Protection

The RLS is connected in series with the lights fed from the secondary side of the transformer and provides protection from line to line and also each line to earth.



Image for illustrative purposes only

Specifications

Electrical Specifications

| | | |
|---------------------------------|-------|-----------|
| Connection type | | Series |
| Nominal voltage | U_0 | 230VAC |
| Maximum continuous voltage (AC) | U_c | 275V |
| Modes of protection | | L-L, L-PE |
| Number of ports | | 2 |
| Number of phases | | 1 |
| Location | | Outdoor |
| Maximum load current | I_L | 10A |

Electrical (L-L) Specifications

| | | |
|---|-----------|--------|
| Maximum discharge current (8/20 μ s) | I_{max} | 50kA |
| Lightning impulse current (10/350 μ s) | I_{imp} | 6.25kA |
| Nominal discharge current (8/20 μ s) | I_n | 20kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <750V |

Electrical (L-PE) Specifications

| | | |
|---|-------|-------|
| Nominal discharge current (8/20 μ s) | I_n | 20kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <750V |

Mechanical Specifications

| | | |
|-------------------------------|--|------------------|
| Minimum operating temperature | | -40°C |
| Maximum operating temperature | | 70°C |
| Minimum operating humidity | | 5% |
| Maximum operating humidity | | 95% |
| Mounting method | | Free standing |
| Environmental rating | | IP67 |
| Enclosure material | | Aluminium |
| Enclosure finish | | Black powdercoat |
| Length | | 115mm |
| Width | | 90mm |
| Height | | 55mm |
| Dimensional tolerance | | 0.5mm |

Standard Specifications

| | |
|--------------|--|
| IEC 61643-11 | SPD connected to low-voltage power systems - Type 1, 2 |
| AS 1768 | Low voltage SPD - Type 2 |
| IEEE 62.41.2 | Low voltage SPD - Cat B |

Shipping Specifications

| | | |
|----------------|--|--------------------|
| Weight | | 860g |
| Customs tariff | | 85363000, 85363010 |

Other Specifications

| | | |
|--------------|--|---------------|
| Product Code | | RLS-10-50-275 |
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